



[4910-13-P]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2012-1160; Directorate Identifier 2012-NM-096-AD]

RIN 2120-AA64

Airworthiness Directives; Airbus Airplanes

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Notice of proposed rulemaking (NPRM).

SUMMARY: We propose to adopt a new airworthiness directive (AD) for certain Model A330-200, -300 and -200 Freighter series airplanes; and all Model A340-200 and -300 series airplanes. This proposed AD was prompted by a determination that the bonding lead from a certain isolation valve to a frame was too close to an electrical harness, which might cause chafing between the electrical harness and the associated bonding lead. This chafing could lead to a short circuit of the isolation valve and consequent non-closure of the isolation valve, which would prevent the air-flow to be shut-off in case of fire. This proposed AD would require modifying the bonding lead installation of the isolation valve. We are proposing this AD to prevent such chafing, which could result in non-closure of the isolation valve in the event of a fire and consequent damage to the airplane and injury to its occupants.

DATES: We must receive comments on this proposed AD by [INSERT DATE 45 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

ADDRESSES: You may send comments by any of the following methods:

- Federal eRulemaking Portal: Go to <http://www.regulations.gov>. Follow the instructions for submitting comments.
- Fax: (202) 493-2251.
- Mail: U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE., Washington, DC 20590.
- Hand Delivery: U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE., Washington, DC, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

For service information identified in this proposed AD, contact Airbus SAS – Airworthiness Office – EAL, 1 Rond Point Maurice Bellonte, 31707 Blagnac Cedex, France; telephone +33 5 61 93 36 96; fax +33 5 61 93 45 80; email airworthiness.A330-A340@airbus.com; Internet <http://www.airbus.com>. You may review copies of the referenced service information at the FAA, Transport Airplane Directorate, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425-227-1221.

Examining the AD Docket

You may examine the AD docket on the Internet at <http://www.regulations.gov>; or in person at the Docket Operations office between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this proposed AD, the

regulatory evaluation, any comments received, and other information. The street address for the Docket Operations office (telephone (800) 647-5527) is in the ADDRESSES section. Comments will be available in the AD docket shortly after receipt.

FOR FURTHER INFORMATION CONTACT: Vladimir Ulyanov, Aerospace Engineer, International Branch, ANM-116, Transport Airplane Directorate, FAA, 1601 Lind Avenue SW., Renton, WA 98057-3356; telephone 425-227-1138; fax 425-227-1149.

SUPPLEMENTARY INFORMATION:

Comments Invited

We invite you to send any written relevant data, views, or arguments about this proposed AD. Send your comments to an address listed under the ADDRESSES section. Include “Docket No. FAA-2012-1160; Directorate Identifier 2012-NM-096-AD” at the beginning of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of this proposed AD. We will consider all comments received by the closing date and may amend this proposed AD based on those comments.

We will post all comments we receive, without change, to <http://www.regulations.gov>, including any personal information you provide. We will also post a report summarizing each substantive verbal contact we receive about this proposed AD.

Discussion

The European Aviation Safety Agency (EASA), which is the Technical Agent for

the Member States of the European Community, has issued EASA Airworthiness Directive 2012-0090, dated May 22, 2012 (referred to after this as “the MCAI”), to correct an unsafe condition for the specified products. The MCAI states:

It was noticed in production that the bonding lead from the isolation valve 283HN to Frame (FR) 64, between Stringer (STGR) 33 and STGR 34, was too close to the electrical harness 5871VB. The results of the technical investigations carried out by Airbus determined that this insufficient clearance may cause chafing between the electrical harness 5871VB and the associated bonding lead.

This condition, if not corrected, could lead to a short circuit of the isolation valve and consequent non-closure of the isolation valve 283HN, which would prevent the air flow to be shut-off in case of fire, potentially resulting in damage to the aeroplane and injury to its occupants.

For the reasons described above, this [EASA] AD requires the installation of a new bonding bracket and new bonding lead at STGR33, between FR64 and FR65 introduced by Airbus modification (mod.) 201500, or mod. 201681 in production, or Airbus Service Bulletin (SB) A330-21-3165, SB A330-21-3160 or SB A340-21-4152 in service.

In addition, for aeroplanes already modified in accordance with the instructions of Airbus SB A330-21-3165 or SB A340-21-4152 at original issue or Revision 01, it [this EASA AD] requires accomplishment of the additional work (additional wiring connected to the structure of the aeroplane).

You may obtain further information by examining the MCAI in the AD docket.

Relevant Service Information

Airbus has issued the following service bulletins:

- Mandatory Service Bulletin A330-21-3160, dated August 4, 2011.

- Mandatory Service Bulletin A330-21-3165 Revision 02, dated March 29, 2012.

- Mandatory Service Bulletin A340-21-4152, Revision 02, dated March 29, 2012.

The actions described in this service information are intended to correct the unsafe condition identified in the MCAI.

FAA's Determination and Requirements of This Proposed AD

This product has been approved by the aviation authority of another country, and is approved for operation in the United States. Pursuant to our bilateral agreement with the State of Design Authority, we have been notified of the unsafe condition described in the MCAI and service information referenced above. We are proposing this AD because we evaluated all pertinent information and determined an unsafe condition exists and is likely to exist or develop on other products of the same type design.

Costs of Compliance

Based on the service information, we estimate that this proposed AD would affect about 58 products of U.S. registry. We also estimate that it would take about 6 work-hours per product to comply with the basic requirements of this proposed AD. The average labor rate is \$85 per work-hour. Required parts would cost about \$66 per product. Where the service information lists required parts costs that are covered under warranty, we have assumed that there will be no charge for these parts. As we do not control warranty coverage for affected parties, some parties may incur costs higher than

estimated here. Based on these figures, we estimate the cost of the proposed AD on U.S. operators to be \$33,408, or \$576 per product.

Authority for This Rulemaking

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I, section 106, describes the authority of the FAA Administrator. "Subtitle VII: Aviation Programs," describes in more detail the scope of the Agency's authority.

We are issuing this rulemaking under the authority described in "Subtitle VII, Part A, Subpart III, Section 44701: General requirements." Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

Regulatory Findings

We determined that this proposed AD would not have federalism implications under Executive Order 13132. This proposed AD would not have a substantial direct effect on the States, on the relationship between the national Government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify this proposed regulation:

1. Is not a "significant regulatory action" under Executive Order 12866;

2. Is not a “significant rule” under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979);

3. Will not affect intrastate aviation in Alaska; and

4. Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

We prepared a regulatory evaluation of the estimated costs to comply with this proposed AD and placed it in the AD docket.

List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

The Proposed Amendment

Accordingly, under the authority delegated to me by the Administrator, the FAA proposes to amend 14 CFR part 39 as follows:

PART 39 - AIRWORTHINESS DIRECTIVES

1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

§ 39.13 [Amended]

2. The FAA amends § 39.13 by adding the following new AD:

Airbus: Docket No. FAA-2012-1160; Directorate Identifier 2012-NM-096-AD.

(a) Comments Due Date

We must receive comments by [INSERT DATE 45 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

(b) Affected ADs

None.

(c) Applicability

This AD applies to the Airbus airplanes identified in paragraphs (c)(1), (c)(2), and (c)(3) of this AD, certificated in any category.

(1) Model A330-201, -202, -203, -223, -243, -301, -302, -303, -321, -322, -323, -341, -342, and -343 airplanes, all manufacturer serial numbers, except for airplanes on which Airbus modification 201500 has been embodied in production.

(2) Model A330-223F and -243F airplanes, all manufacturer serial numbers, except for airplanes on which Airbus modification 201681 has been embodied in production.

(3) Model A340-211, -212, -213, -311, -312, and -313 airplanes, all manufacturer serial numbers.

(d) Subject

Air Transport Association (ATA) of America Code 21, Air conditioning.

(e) Reason

This AD was prompted by a determination that the bonding lead from a certain isolation valve to a frame was too close to an electrical harness, which might cause chafing between the electrical harness and the associated bonding lead. This chafing could lead to a short circuit of the isolation valve and consequent non-closure of the isolation valve, which would prevent the air-flow to be shut-off in case of fire. We are issuing this AD to prevent such chafing, which could result in non-closure of the isolation

valve in the event of a fire and consequent damage to the airplane and injury to its occupants.

(f) Compliance

You are responsible for having the actions required by this AD performed within the compliance times specified, unless the actions have already been done.

(g) Bonding Lead Installation Modification

Within 48 months after the effective date of this AD, modify the bonding lead installation of isolation valve 283HN, in accordance with the Accomplishment Instructions of the applicable service bulletin specified in paragraph (g)(1), (g)(2), or (g)(3) of this AD.

(1) Airbus Mandatory Service Bulletin A330-21-3165, Revision 02, dated March 29, 2012 (for Model A330-201, -202, -203, -223, -243, -301, -302, -303, -321, -322, -323, -341, -342, and -343 airplanes).

(2) Airbus Mandatory Service Bulletin A330-21-3160, dated August 4, 2011 (for Model A330-223F and -243F airplanes).

(3) Airbus Mandatory Service Bulletin A340-21-4152, Revision 02, dated March 29, 2012 (for Model A340-211, -212, -213, -311, -312, and -313 airplanes).

(h) Bonding Lead Additional Work Modification

For airplanes that have already been modified, prior to the effective date of this AD, as specified in Airbus Mandatory Service Bulletin A330-21-3165, dated September 27, 2011; or Mandatory Service Bulletin A330-21-3165, Revision 01, dated November 21, 2011; or according to Airbus Mandatory Service Bulletin A340-21-4152,

dated September 27, 2011; or Airbus Mandatory Service Bulletin A340-21-4152, Revision 01, dated November 21, 2011: Within 48 months after the effective date of this AD, perform the “Additional Work,” as specified in the Accomplishment Instructions of Airbus Mandatory Service Bulletin A330-21-3165 Revision 02, dated March 29, 2012; or Airbus Mandatory Service Bulletin A340-21-4152, Revision 02, dated March 29, 2012; as applicable.

(i) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, International Branch, ANM-116, Transport Airplane Directorate, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the International Branch, send it to ATTN: Vladimir Ulyanov, Aerospace Engineer, International Branch, ANM-116, Transport Airplane Directorate, FAA, 1601 Lind Avenue SW., Renton, WA 98057-3356; telephone 425-227-1138; fax 425-227-1149. Information may be emailed to: 9-ANM-116-AMOC-REQUESTS@faa.gov. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office. The AMOC approval letter must specifically reference this AD.

(2) Airworthy Product: For any requirement in this AD to obtain corrective actions from a manufacturer or other source, use these actions if they are FAA-approved.

Corrective actions are considered FAA-approved if they are approved by the State of Design Authority (or their delegated agent). You are required to assure the product is airworthy before it is returned to service.

(j) Related Information

(1) Refer to MCAI European Aviation Safety Agency Airworthiness Directive 2012-0090, dated May 22, 2012, and the following service information, for related information.

(i) Airbus Mandatory Service Bulletin A330-21-3160, dated August 4, 2011.

(ii) Airbus Mandatory Service Bulletin A330-21-3165 Revision 02, dated March 29, 2012.

(iii) Airbus Mandatory Service Bulletin A340-21-4152, Revision 02, dated March 29, 2012.

(2) For service information identified in this AD, contact Airbus SAS – Airworthiness Office – EAL, 1 Rond Point Maurice Bellonte, 31707 Blagnac Cedex, France; telephone +33 5 61 93 36 96; fax +33 5 61 93 45 80; email airworthiness.A330-A340@airbus.com; Internet <http://www.airbus.com>. You may review copies of the referenced service information at the FAA, Transport Airplane

Directorate, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425-227-1221.

Issued in Renton, Washington, on October 30, 2012.

Ali Bahrami,
Manager,
Transport Airplane Directorate,
Aircraft Certification Service.

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